

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Jan Pieter Vijn, et al.)		
)	Art Unit:	Unknown
Serial No.:	Not Yet Assigned)		
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Filed:	November 17, 2003)		
)	Examiner:	Unknown
For:	CEMENTING SUBTERRANEAN)		
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	COMPOSITIONS CONTAINING)		
	BIODEGRADABLE DISPERSANTS))		

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The following prior art is known to Applicant or Applicant's attorneys. Copies of the following references were filed in the parent application U.S. Serial Number 10/170,399 on June 13, 2002:

U.S. PATENTS

U.S. Patent Number 3,359,225 issued December 19, 1967 to Charles F. Weisend.

U.S. Patent Number 3,937,282 issued February 10, 1976 to Stanley H. Shryock et al.

U.S. Patent Number 4,028,125 issued on June 7, 1977 to Robert C. Martin.

U.S. Patent Number 4,557,763 issued December 10, 1985 to Charles George et al.

U.S. Patent Number 4,676,832 issued June 30, 1987 to Jerry D. Childs et al.

U.S. Patent Number 5,158,996 issued October 27, 1992 to Salvatore Valenti.

U.S. Patent Number 5,284,512 issued February 8, 1994 to Larry P. Koskan et al.

U.S. Patent Number 5,340,860 issued August 23, 1994 to Bobby G. Brake et al.

U.S. Patent Number 5,369,198 issued November 29, 1994 to Gerhard Albrecht et al.

U.S. Patent Number 5,610,264 issued March 11, 1997 to Louis T. Wood et al.

U.S. Patent Number 5,614,017 issued March 25, 1997 to Edward T. Shawl.

U.S. Patent Number 5,660,626 issued August 26, 1997 to Akira Ohta et al.

U.S. Patent Number 5,670,578 issued September 23, 1997 to Edward T. Shawl.

U.S. Patent Number 5,688,904 issued November 18, 1997 to Louis L. Wood et al.

U.S. Patent Number 5,798,425 issued August 25, 1998 to Gerhard Albrecht et al.

U.S. Patent Number 5,876,623 issued March 2, 1999 to Jiansheng Tang et al.

U.S. Patent Number 5,908,885 issued June 1, 1999 to C. Steven Sikes et al.

U.S. Patent Number 6,133,347 issued October 17, 2000 to Thomas M. Vickers, Jr. et al.

U.S. Patent Number 6,136,950 issued October 24, 2000 to Thomas M. Vickers, Jr. et al.

U.S. Patent Number 6,174,980 B1 issued January 16, 2001 to Tsuyoshi Hirata et al.

U.S. Patent Number 6,182,758 B1 issued February 6, 2001 to Jan Pieter Vijn.

U.S. Patent Number 6,211,317 B1 issued April 3, 2001 to Gerhard Albrecht et al.

U.S. Patent Number 6,284,867 B1 issued September 4, 2001 to Thomas M. Vickers, Jr. et al.

al.

U.S. Patent Number 6,429,266 B2 issued August 6, 2002 to Thomas M. Vickers, Jr. et al.

FOREIGN PATENTS

PCT International Publication No. WO 00/00536 published January 6, 2000 by C. Steven Sikes et al.

PCT International Publication No. WO 00/09459 published February 24, 2000 by Heath Brown et al.

PCT International Publication No. WO 00/09460 published February 24, 2000 by Jeffrey R. Bury et al.

PCT International Publication No. WO 00/35965 published June 22, 2000 by Lynn E. Brower, et al.

Japanese Patent Number JP 6279082 published October 4, 1994 to Yamato Fujio et al.

United Kingdom Patent Application Number GB 2 307 689 published June 4, 1997 to Heise Klaus-Peter et al.

PCT International Publication No. WO 96/00743 published January 11, 1996 to Matthias Kroner et al (abstract only).

Japanese Patent Number JP 7172888 published July 11, 1995 to Akinori Nagatomo et al.

European Patent Application No. EP 0 767 807 B1 published January 11, 1996.

OTHER PUBLICATIONS

Donlar Corporation Technical Bulletin entitled Higher Molecular Weight Polymers dated April 24, 1998.

Donlar Corporation Technical Bulletin entitled Low Molecular Weight Polymers dated April 24, 1998.

The following references were cited in an International Search Report dated September 22, 2003, in the prior application number 10/170,399, European Patent Application No. 03253307.7. Copies of the following references are submitted herewith:

U.S. PATENTS

U.S. Patent Application Publication Number U.S. 2002/0005287 A1 published January 17, 2002 to B. Raghava Reddy et al.

FOREIGN PATENTS

EP 1 238 952 A1 dated September 11, 2002 to B. Raghava Reddy et al.

OTHER PUBLICATIONS

DATABASE WPI

Section Ch, Week 199536

Derwent Publications, Ltd., London, GB;

Class A93, AN 1995-272734

XP002254694 & JP 07 172888 A (MITSUI TOATSU CHEM INC.),

11 July 1995 (1995-07-11)

abstract

DATABASE WPI

Section CH, Week 199816

Derwent Publications Ltd., London, GB;

Class A21, AN 1998-174744

XP002254695 & JP 10 036156 A (MITSUI TOATSU CHEM INC.),

10 February 1998 (1998-02-10)

abstract

CLAUDIA BOEKER: "Polyaspartic Acid

Derivatives as Cement-Additives" 'Online!

May 2000 (2000-05), TECHNISCHE

UNIVERSITÄT WIEN XP002254722

Retrieved from the Internet: <URL:<http://www.arcs.ac.at/dissdb/rn036751>>

'retrieved on 2002-09-17!

See abstract

Form PTO-1449 is submitted herewith.

Respectfully submitted,



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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

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of

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Complete if Known

Application Number	Not Yet Assigned
Filing Date	November 17, 2003
First Named Inventor	Jan Pieter Vijn, et al.
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	HES 2000-IP-002275U1C1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 3,359,225	12-19-1967	Weisend	
		US- 3,937,282	02-10-1976	Shryock et al.	
		US- 4,028,125	06-07-1977	Martin	
		US- 4,557,763	12-10-1985	George et al.	
		US- 4,676,832	06-30-1987	Childs et al.	
		US- 5,158,996	10-27-1992	Valenti	
		US- 5,284,512	02-08-1994	Koskan et al.	
		US- 5,340,860	08-23-1994	Brake et al.	
		US- 5,369,198	11-29-1994	Albrecht et al.	
		US- 5,610,264	03-11-1997	Wood et al.	
		US- 5,614,017	03-25-1997	Shawl	
		US- 5,660,626	08-26-1997	Ohta et al.	
		US- 5,670,578	09-23-1997	Shawl	
		US- 5,688,904	11-18-1997	Wood et al.	
		US- 5,798,425	08-25-1998	Albrecht et al.	
		US- 5,876,623	03-02-1999	Tang et al.	
		US- 5,908,885	06-01-1999	Sikes et al.	
		US- 6,133,347	10-17-2000	Vickers, Jr. et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		PCT WO 00/00536	01-06-2000	Sikes et al.		
		PCT WO 00/09459	02-24-2000	Brown et al.		
		PCT WO 00/09460	02-24-2000	Bury et al.		
		PCT WO 00/59965	06-22-2000	Brower et al.		
		JP 6279082	10-04-1994	Fujio et al.		

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet

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Application Number	Not Yet Assigned
Filing Date	November 17, 2003
First Named Inventor	Jan Pieter Vijn, et al.
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Attorney Docket Number	HES 2000-IP-002275U1C1

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		US- 6,136,950	10-24-2000	Vickers, Jr. et al.	
		US- 6,174,980 B1	01-16-2001	Hirata et al.	
		US- 6,182,758 B1	02-06-2001	Vijn	
		US- 6,211,317 B1	04-03-2001	Albrecht et al.	
		US- 6,284,867 B1	09-04-2001	Vickers, Jr. et al.	
		US- 6,429,266 B2	08-06-2002	Vickers, Jr. et al.	
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		GB 2 307 689	06-04-1997	Klaus-Peter et al.		
		PCT WO 96/00743 (abstract only)	01-11-1996	Kroner et al.		
		JP 7172888	07-11-1995	Nagatomo et al.		
		EP 0 767 807 B1	01-11-1996			

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				Application Number	Not Yet Assigned
				Filing Date	November 17, 2003
				First Named Inventor	Jan Pieter Vijn, et al.
				Art Unit	Unknown
				Examiner Name	Unknown
				Attorney Docket Number	HES 2000-IP-002275U1C1
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		US- US 2002/0005287 A1	01-17-2002	Reddy et al.	
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		EP 1 238 952 A1	09-11-20002	Reddy et al.		

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Sheet	5	of	5	Attorney Docket Number	HES 2000-IP-002275U1C1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		DATABASE WPI; Section Ch, Week 199536; Derwent Publications Ltd., London, GB; Class A93, AN 1995-272734; XP002254694 & JP 07 172888 A (MITSUI TOATSU CHEM. INC.), 11 July 1995 (1995-07-11) *abstract*	
		DATABASE WPI; Section CH, Week 199816; Derwent Publications Ltd., London, GB; Class A21, AN 1998-174744; XP002254695 & JP 10 036156 A (MITSUI TOATSU CHEM. INC.), 10 February 1998 (1998-02-10) *abstract*	
		CLAUDIA BOEKER: "Polyaspartic Acid Derivatives as Cement-Additives" Online!; May 2000 (2000-05), TECHNISCHE UNIVERSITAT WIEN XP002254722; Retrieved from the Internet: <URL: http://www.arcs.ac.at/dissdb/rn036751>; retrieved on 2002-09-17! *see abstract*	

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